			ızmz_cası		-		0/
WP	CASU WP name /sub_task / 04Q2m2 deliverables	V.I.F.	name	date	end of month report	%sub	% task
‡ ,	Management and definition of project responsibilities	3.0					
	report to VISTA, UKIDSS, JAC, ATC, GSC	0.0	I	1			62
	provide fornightly meeting minutes, monthly reports on progress + quarterly review reports and planning		STH,MJI	1/5/04	minutes and report produced	10	
	review reports and planning		STH,MJI	1/6/04	minutes and report produced. STH in conjunction with JMS implemented earned value progress monitoring	50	
	prepare for and present paper at SPIE meeting		MJI	1/5/04	registered	10	
			MJI	1/6/04	paper written and submitted	50	
1.2	interface control document between CASU and JAC				completed		100
1.3	interface control document between CASU and WFAU				completed		100
1.4	I define WFCAM data structures and FITS headers						90
	check SDF example for completeness		JRL	1/5/04	received and checked example SDF file, finding a few minor typos in the header keywords.	100	
	use to generate test FITS header		JRL	1/5/04	test FITS file generated and report sent to JAC - awaiting response	50	
	J. T.		JRL	1/6/04	awaiting response	50	
			-		and the state of t		
1.5a	define WFCAM observing protocols						75
	monitor and help update MSB guidelines		MJI, STH	1/5/04	CASU to attend UKIDSS meeting next week.	0	
			MJI, STH	1/6/04	STH attended UKIDSS survey heads meeting.	50	
	check first pass survey MSBs		MJI, STH	1/5/04	ditto	0	
	Check hist pass survey MSDS		MJI, STH	1/6/04	Detailed discussions held with Hambly, Edge and Lucas on GCS, DXS and GPS MSBs	50	
4 =1	L.C. VIOTA						
1.50	define VISTA observing protocols		505	4.5.0			
	help define science and user requirements		MJI, PSB	1/5/04	more detailed feedback on the UK URD passed on to WJS	10	
			MJI, PSB	1/6/04	more comments on UK URD forwarded to WJS	50	
4.0-	lisis with UKIDOO IAO sa WEGAM she starte as surrous also in						62
1.6a	liaise with UKIDSS&JAC on WFCAM obs strategy, surveys planning		DWE	1/5/04	nothing to report	0	
	monitor progress		DWE	1/6/04	comments collated on JAC Survey Operational Model document. to be forwarded to JAC. STH attended UKIDSS meeting, trialed SDT and fedback to Folger. MJI attended UKIRT board meeting and presented report.		
1 6h	liaise with Project Scientist on VISTA observing strategy & survey planning					50	
			DOD	4/5/04		40	
	monitor progress		PSB PSB	1/5/04	no progress	10 50	
			FSD	1/0/04	nothing to report	30	
1.7a	liaise with VDUC on VDFS products for WFCAM						62
	monitor progress		STH,MJI	1/5/04	MJI preparing talk for VDUC meeting	10	
			STH,MJI	1/6/04	CASU attended and MJI gave to talk to VDUC.	50	
1.7b	liaise with VDUC on VDFS products for VISTA						
	monitor progress		MJI,STH	1/5/04	MJI preparing talk for VDUC meeting	10	
			MJI,STH	1/6/04	MJI presented talk at VDUC 4/5/04	50	
1 82	liaise with UKIDSS and JAC on survey progress DB		JRL		paused		62
			UINE		paudeu		
1.9	system documentation						62

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update and maintain web pages of system docs		DWE	1/5/04	CASU document numbering system clarified and report circulated to group	10	
		DWE	1/6/04	for comments document www pages updated along with document numbering explanation		
					50	
2 ESO VISTA software interface deliverables and documentation	4.0					
2.1 VDFS user requirements document						6
compile RID response document		PSB	1/5/04	PSB,MJI,JRL busy helping compile RID responses	50	
		PSB	1/6/04	Awaiting final version of RIXs	50	
prepare for and attend PDR, update docs as appropriate		PSB	1/5/04	rephrasing relevant bits of PDR docs	10	
		PSB	1/6/04	attended PDR. some updates made. Awaiting final version of RIXs	50	
2.2 data reduction specification document						6
compile RID response document		PSB	1/5/04	PSB,MJI,JRL busy helping compile RID responses	50	
		PSB	1/6/04	Awaiting final version of RIXs	50	
prepare for and attend PDR, update docs as appropriate		PSB	1/5/04	rephrasing relevant bits of PDR docs	10	
prepare for and attend r Drx, update docs as appropriate		PSB	1/6/04	attended PDR. some updates made. Awaiting final version of RIXs	50	
		ГОВ	1/0/04	attenued FDR. Some updates made. Awaiting linal version of KIAS	30	
2.3 calibration plan document						60
compile RID response document		PSB	1/5/04	PSB,MJI,JRL busy helping compile RID responses	50	
		PSB	1/6/04	Awaiting final version of RIXs	50	
prepare for and attend PDR, update docs as appropriate		PSB	1/5/04	rephrasing relevant bits of PDR docs	10	
prepare for and attend PDR, update docs as appropriate		PSB	1/6/04	attended PDR. some updates made. Awaiting final version of RIXs	50	
		1 00	170704	attended 1 Dr. 30me updates made. Awaiting final version of 14745		
2.5 ICD ESO/VPO						60
update DID and write first draft of DID doc for FDR		PSB	1/5/04	No progress	0	
		PSB	1/6/04	no progress	0	
2.8 liaise with VISTA IR camera development team						62
continue liaising		PSB	1/5/04	nothing to report	10	
		PSB	1/6/04	nothing to report	50	
3 Pipeline infrastructure and pipeline progress monitoring tools	3.5					
3.1 interactive tools for running pipeline		JRL	1	paused		50
S P P P P P P P P P P P P P P P P P P P						
3.2 high level scripts to interrogate headers		STH, JMI		paused		50
3.3 automatic progression of results to web pages		STH, JMI		paused		5(
o.o automatic progression of results to was pages		OTTI, OIVII		padoca		
3.6 group documentation on pipeline infrastructure						5
stress test documentation and update as necessary		JRL	1/5/04	no progress	0	
			1/6/04	no progress	U	
4 Set up and manage raw science archive	0.0					
5 Set up and manage data processing system hardware	2.0					
5.2 buy hardware and install		МТВ		paused		70
5.3 integrating and testing		MTB		paused		5:
o.o integrating and testing		טוואו		pauseu		,
5.4 Manage day-to-day maintenance and upgrades		MTB		paused		2
6 Run standard pipeline	2.5					
7 Development work for summit pipeline 7.1 Interface test pipelines in ORAC-DR	1.0	JRL		completed	-	100
7.1 Interface test pipelines in ORAC-DR		JIKL	1	completed		100

		U4QZIIIZ	_casu_delive	Tables.Als		
7 20	implement MECAM pincline of cummit					75
7.2a	implement WFCAM pipeline at summit demonstrate catalogue and non-catalogue DQCs	JRL	1/5/04	some engineering data received, but none appropriate for these sorts of		13
	demonstrate catalogue and non-catalogue DQOS	JIKE	1/3/04	tests.	0	
		JRL	1/6/04	no progress due to lack of suitable test data	0	
7.3a	documentation for ORAC-DR interface					60
	update and deliver documentation as development proceeds	JRL	1/5/04	new recipes being written for WFCAM. documentation updated to reflect additions to the CVS repository	50	
		JRL	1/6/04	more new documentation added as new software added to the CVS repository	50	
7.4a	upgrade and maintain summit pipeline WFCAM					15
	upgrade and maintain	JRL	1/5/04	new pipeline recipes are being written in anticipation of commissioning	10	
		JRL	1/6/04	further work on commissioning recipes	10	
8	B Development and testing of standard 2d processing	4.0				
8.1a	further development of standard pipeline for WFCAM					80
	finish implementing new version of imcore to include full param set	JRL	1/5/04	some debugging done	10	
		JRL	1/6/04	MJI has completed more debugging of prototype version	10	
8.2a	liaison with WFCAM development team					30
	continue discussion on reset anomaly, crosstalk and linearity	JRL	1/5/04	no progress	0	
		JRL	1/6/04	much discussion though limited progress	10	
	assess engineering test data for above problems and report	JRL	1/5/04	received some WFCAM science device test data and carried out a series of checks to measure reset anomaly, readout noise, gain and non-linearity. Ongoing - initial report in CASU minutes	10	
		JRL	1/6/04	plausible linearity parameters have been calculated for some of the test data. Futher work needs to be done to quantify these better, but really need better data	50	
8 2h	liaison with Project Scientist & VISTA development team					
0.20	develop and test methodology for non-linearity correction, write report	MJI	1/5/04	devised method, wrote report, wrote test software, trialled it succesfully		
	3,	MJI	1/6/04	updated report. tested for multivalued cases. devised saturation strategies.	100	
0.20	newtoke in planning WECAM commissioning characters					80
o.sa	partake in planning WFCAM commissioning observations continue liaising with ATC/JAC	STH	1/5/04	nothing to report	10	- 00
	CONTINUE HAISING WITH A TOTALO	STH	1/6/04	JAC have produced observing strategy document. UKIDSS survey heads meeting discussed WFCAM commissioning - UKIDSS were asked to read proposed plan and comment. UKIDSS implementation group scheduled for 9th June at IoA.	50	
0 26	nortake in planning VISTA comissioning observations					
0.30	partake in planning VISTA comissioning observations liaise and discuss with VISTA PS	STH	1/5/04	nothing to report	10	
	liaise and discuss with viola PS	STH	1/6/04	nothing to report	50	
	de constantina for OD constantina (
8.6	documentation for 2D processing software	ID:	4/5/04			50
	updates docs as necessary and as a result of feedback	JRL JRL	1/5/04	no progress	0	
		JRL	1/6/04	no progress	0	
8.7	Comparison between automated and manual data products					75
	finish pipeline processing of FIRES data	STH	1/5/04	final sample of FIRES data received - about to be processed	10	
		STH	1/6/04	no progress	10	
	compare FIRES with published results and write report	STH	1/5/04	no progress	0	
	The state of the passioned round and third roport	STH	1/6/04	preliminary calibration applied and initial comparison looks promising	10	
		- - - -		p	- 1	

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in collaboration with CSV & CS trial UFTI/CIRPASS data through the pipeline, compare with manually reduced data, write report		STH	1/5/04	no progress	0	
Compare with mendality reduced data. While report		STH	1/6/04	held discussions with CS and CSV and agreed to limit tests to FIRES data then UFTI data. FIRES data made available to Simon Dye who will begin independent processing in July	10	
9 Development and testing of standard catalogue products	4.0					
9.1 add in new measures requested	4.0		I		ı	6
finish testing and debugging new catalogue parameter measures		MJI	1/5/04	made some progress on generating better flux error estimates by adding in	10	
		MJI	1/6/04	local sky error estimate corrected a few bugs	10	
9.2 refine astrometric calibration model						8
study atmospheric differential refraction in IR and write report		DWE	1/5/04	no progress	0	
		DWE	1/6/04	report completed	100	
				http://www.ast.cam.ac.uk/vdfs/docs/reports/refractir.ps.gz		
		OT11 IN41				
9.3 generate model simulations of expected data		STH, JMI		paused		8
9.4 assess catalogue parameter reliability						7
refine parameter error estimates and check for systematics in new parameters - finish in conjunction with 9.1		MJI	1/5/04	made some progress on generating better flux error estimates by adding in local sky error estimate	10	
		MJI	1/6/04	no progress	10	
9.5 intercomparison of catalogue products with other packages		JMI		paused		60
5.5 Intercompanson of catalogue products with other packages		JIVII		pauseu		- 0
9.6 Completeness and error estimates						5
refine parameter error estimates and check for systematics - finish in conjunction with 9.1 and 9.4		JMI,MJI	1/5/04	no progress	0	
	,	JMI,MJI	1/6/04	no progress	0	
9.7 documentation of catalogue software and products						5
update catalogue products documentation		MJI	1/5/04	no progress	0	
		MJI	1/6/04	updated documentation (PODS)	10	
10 Setup trial and run further processing pipeline	3.0					
10.2 development and assessment of PSF options 1,2	0.0				I	5
produce robust version of code for PSF level 1		MJI	1/5/04	no progress	0	_
produce 1998et 1918et of 900 1811 C. 1918et 1		MJI	1/6/04	good progress on the PSF generation phase, awaiting final version	50	
produce prototype for PSF level 2		MJI	1/5/04	no progress	0	
produce prototype for FSF level 2		MJI	1/6/04	no progress framework for code developed	10	
		IVIOI	170704	numework for code developed		
10.3 develop 1D/2D PSF-deconvolved Sersic profile fits						
assess GALFIT interactive package		MJI	1/5/04	no progress	0	
		MJI	1/6/04	investigated: found will be useful for a benchmark but probably too slow to be directly applicable. may be possible to modify it since written in C.	50	
11 Photometric standards and calibration 11.1 agree on primary standards	3.0					9
complete narrow band filter calibration plan and update document		STH	1/5/04	no progess	0	9
complete flatfow balla filter calibration platfatta and appeale document		STH	1/6/04	no progress	0	
11.2 choose secondary standard fields		OTIL	4/5/6:			8
finish updates to photom doc and circulate		STH	1/5/04	no progress	0	
		STH	1/6/04	no progress	U	
11.7 assess extinction monitoring methods and develop measures						5
complete investigation of UKIRT archive and write report		STH	1/5/04	no progress	0	

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	S	TH 1/6	6/04	no progress	0	
simulate from night(s) data and estimate expected accuracy				no progress	0	
	S	TH 1/6	6/04	no progress	0	
12 Further development of DQC measures at summit and Cambr	2.0					_
12.1 develop extra systematic noise measures						50
linked with detector characterisation	M	1JI 1/5		devised a robust (non-Fourier) method to quantify non-random noise. needs	10	
	- N	1JI 1/6		testing on real data	10	
	+ IVI	131 176	5/04	no progress	10	
12.2 Refine current measures for WFCAM/VISTA data	+-+					20
linked with detector characterisation	+ + + + + + + + + + + + + + + + + + + +	RL 1/5	5/04	small amount of progress with current engineering data - need much more		
mined with detector characterisation		1/3	3/04	and with a better illumination	10	
	J.	RL 1/6	6/04	no progress due to lack of appropriate engineering data	10	
				The program and the state of th		
12.3 implement 2mass for throughput measurement	J!	MI		paused		7
12.4 master calibration frames for detector monitoring						35
assess and report if current methods work on engineering WFCAM data	J!	RL 1/5	5/04	engineering data received so far is not useful for most of these tests.	0	
,				no progress due to lack of appropriate engineering data	0	
				The progress and to make or appropriate origination ig auto-		
13 Co-located list driven photometry	3.0					
13.2 develop basic WCS-based list driven photometer						90
investigate practicalities and implement agreed ICD for parameters - finish	T N	1JI 1/5	5/04	no progress	0	
mirrority and production and improvious agreed to be to parameters minor				have a working version. needs more debugging	50	
13.3 externally driven WCS photometry and define parameter set						7
refine, test and debug list-driven parameter estimator - finish	l N	1JI 1/5	5/04	no progress	0	
	M	1JI 1/6	6/04	have a working version. needs more debugging	50	
14 Stacking and mosaicing	4.0					
14.1 develop benchmark simple stacking/mosaicing framework	M	1JI		complete		100
14.2 NN algorithm with simple rejection	M	1JI		complete		100
14.3 More sophisticated rejection dealing with pixellation	\perp					6
continue development of better spurion rejection allowing for pixellation - finish	M	1JI 1/5	5/04	no progress		
	 		0/04		0	
	M					
44.00		170	6/04	devised methodology	10	
14.4 Stacking with optimum wighting and defect rejection		101 176	5/04	devised methodology	10	
Indian accompative interior method test and report on alternative achamas	1				10	
refine current weighting method, test and report on alternative schemes	M		5/04	discovered some interesting simple weighting schemes, of which the most		
refine current weighting method, test and report on alternative schemes		1JI 1/5	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented	10	
refine current weighting method, test and report on alternative schemes		1JI 1/5	5/04	discovered some interesting simple weighting schemes, of which the most		
	M	1JI 1/5	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented	10	
15 Continuum subtraction and basic difference imaging	4.0	1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration	10	100
15 Continuum subtraction and basic difference imaging	4.0	1JI 1/5	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented	10	100
15 Continuum subtraction and basic difference imaging 15.1 Simple WCS-based subtraction techniques	4.0 M	1JI 1/5 1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration	10	40
15 Continuum subtraction and basic difference imaging 15.1 Simple WCS-based subtraction techniques	4.0 M	1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration	10	40
15 Continuum subtraction and basic difference imaging 15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods	4.0 M	1JI 1/5 1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration	10	100
15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods 15.3 develop adaptive kernel matching option	4.0 M	1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration completed completed	10	100
15 Continuum subtraction and basic difference imaging 15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods	4.0 M	1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration	10 10	10
15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods 15.3 develop adaptive kernel matching option	4.0 M	1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration completed completed continuing. JMI has made a back-end trial user interface for this software to	10 10	100
15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods 15.3 develop adaptive kernel matching option	4.0 M	1JI 1/8 1JI 1/8 1JI 1/8	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration completed completed continuing. JMI has made a back-end trial user interface for this software to the INT WFS processed data database to progress this with on-demand on-	10 10	10
15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods 15.3 develop adaptive kernel matching option continue debugging and enhancements to adaptive kernel package	4.0 M	1JI 1/8 1JI 1/8 1JI 1/8	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration completed completed continuing. JMI has made a back-end trial user interface for this software to the INT WFS processed data database to progress this with on-demand on-the-fly tests.	10 10	100
15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods 15.3 develop adaptive kernel matching option continue debugging and enhancements to adaptive kernel package	4.0 M	1JI 1/8 1JI 1/8 1JI 1/8	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration completed completed continuing. JMI has made a back-end trial user interface for this software to the INT WFS processed data database to progress this with on-demand on-the-fly tests.	10 10	100
15 Continuum subtraction and basic difference imaging 15.1 Simple WCS-based subtraction techniques 15.2 investigate and apply different interpolation methods 15.3 develop adaptive kernel matching option continue debugging and enhancements to adaptive kernel package	4.0 M M M	1JI 1/6 1JI 1/6 1JI 1/6 1JI 1/6 1JI 1/6	5/04	discovered some interesting simple weighting schemes, of which the most promising are being implemented being used in trial mode by IPHAS collaboration completed completed continuing. JMI has made a back-end trial user interface for this software to the INT WFS processed data database to progress this with on-demand on-the-fly tests.	10 10	70

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	DWE	1/6/04	no progress	0	4
16.2 implications for different stacking methods					20
quantify effects of interpolation on stacked image quality	MJI	1/5/04	no progress	0	ı e
	MJI	1/6/04	compared bilinear and NN schemes - negligible effect for well sample data: undersampled next	10	,
16.3 implications for deriving catalogues and parameters					70
test PSF fitting using optical data and include results within above report from 16.1	DWE	1/5/04	no progress	0	,
	DWE	1/6/04	no progress	0	1
16.4 oversampled PSF generation per detector					50
develop more robust oversampled PSF generator	DWE	1/5/04	no progress	0	i
	DWE	1/6/04	PSF generator written and in testing phase	50	1